Application No. 10/667,008
Request for Reconsideration dated July 31, 2006
Submitted with RCE dated July 31, 2006

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Previously Presented): A method to elongate a solder joint, the method comprising:

forming an elongator on a first substrate, wherein the elongator comprises an expander and an encapsulant to encapsulate the expander, the encapsulant being comprised of a thermoplastic;

forming the solder joint to connect the first substrate to a second substrate; and softening the encapsulant to release the expander from a compressed state to elongate the solder joint.

Claim 2 (Original): The method to elongate a solder joint as recited in claim 1, wherein forming the elongator on the first substrate comprises:

providing a mold having a first mold cavity and a second mold cavity, wherein the first substrate is disposed in the first mold cavity and an expander is disposed in the second mold cavity;

compressing the expander; and

introducing the encapsulant into the mold to encapsulate the expander to form the elongator on the first substrate.

Claim 3 (Original): The method to elongate a solder joint as recited in claim 2, further comprising:

singulating the first substrate.

Claim 4 (Original): The method to elongate a solder joint as recited in claim 3, wherein the first substrate is one of a group consisting of a series of interposers, a series of packages and a wafer.

Claim 5 (Original): The method to elongate a solder joint as recited in claim 2, wherein the first substrate is one of a group consisting of a chip, an interposer, a package, a board and a series of interposers.

Application No. 10/667,008 Request for Reconsideration dated July 31, 2006

Submitted with RCE dated July 31, 2006

Claim 6 (Original): The method to elongate a solder joint as recited in claim 1, wherein the elongator is formed on the first substrate by one of a group consisting of an injection molding

process, a compression molding process, a transfer molding process and a casting process.

Claim 7 (Original): The method to elongate a solder joint as recited in claim 1, wherein the

encapsulant is an electrical insulator.

Claim 8 (Canceled).

Claim 9 (Previously Presented): The method to elongate a solder joint as recited in claim 1,

wherein forming the solder joint to connect the first substrate to the second substrate

comprises:

melting a plurality of solder deposits to wet a solderable surface to form the solder joint.

Claim 10 (Original): The method to elongate a solder joint as recited in claim 9, wherein the

thermoplastic has a softening temperature of approximately 40°C higher than a melting point of

the plurality of solder deposits.

Claim 11 (Previously Presented): The method to elongate a solder joint as recited in claim 1,

wherein the thermoplastic is one of a group consisting of polyamide and polyacetal.

Claim 12 (Original): The method to elongate a solder joint as recited in claim 1, wherein the

expander comprises a corrugated strip.

Claim 13 (Original): The method to elongate a solder joint as recited in claim 12, wherein a

first end of the corrugated strip overlaps a second end of the corrugated strip.

Claims 14-29 (Canceled).

Page 3 of 8